

NWS FORM E-5
(11-88)
(PRES. BY WSOM E-41)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

WFO Jackson, Mississippi

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

REPORT FOR:

MONTH

YEAR

September

2001

TO: Hydrometeorological Information Center, W/OH2
NOAA / National Weather Service
1325 East West Highway, Room 7230
Silver Spring, MD 20910-3283

SIGNATURE

Jim Stefkovich, MIC
In Charge of HSA

DATE

October 10th, 2001

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOME-41)

A weak frontal system, warm moist air and upper air disturbances moving through the atmosphere combined to give us a wet early September. Rainfall amounts were heaviest and most widespread on September 2nd and 3rd.

The heaviest rainfall occurred over Madison County late on September 2nd where unofficially 5 to 6 inches of rain fell in a 3 hour period over the cities of Madison, MS and Gluckstadt, MS. N.W.S. cooperative observer at Canton, MS reported 3.42 inches which was well away from the center of heaviest rainfall.

Several Rivers in the HSA went above flood during the early part of the month. The Upper Pearl River experienced minor flooding when 3 to 4 inches of rain fell over Neshoba County. Minor flooding occurred on the middle Pearl River at Monticello, MS. This was due to heavy rain on September 2nd over Eastern Madison County on Ross Barnett Reservoir and rainfall amounts of 2 to 4 inches over Simpson and Lawrence Counties. The Big Black River at West exceeded flood stage when 2 to 4 inches fell over the basin. Tallahala Creek experienced minor flooding when 2 to 5 inches of rainfall fell over Jasper County. The city of Waldrup received a 2 day total of 4.91 inches of rain. From September 2nd to the 4th, 5 to 9 inches of rainfall over fell over Smith and Covington Counties causing the Upper Leaf River to rise to around 3/4 of flood stage and Bouie Creek above Hattiesburg to experience minor flooding. Mize, MS reported 5 inches of rain in the 24 hour period ending at 7am on September 4th. The remaining rivers in the HSA were above normal stages for early September; however, by the end of the month, rivers were near seasonal norms.

The only other significant event occurred on September 8th when a line of heavy rain developed from North and Central Hinds County across Ross Barnett Reservoir eastward through Northern Rankin County. Rainfall amounts ranged from 3 ½ to 4 ½ inches. Fannin, MS reported 3.69 inches in 4 hours.

The remainder of the month was mostly dry with only scattered rainfall activity.

The wet weather at the beginning of the month produced well above normal rainfall totals for the month over most areas of the HSA:

<u>RIVER BASIN</u>	<u>RAINFALL</u>	<u>DEPARTURE FROM NORMS</u>
Southeast Arkansas (Chicot & Ashley counties)	2 ½ to 4 inches	Normal to slightly above
northeast Louisiana (Tensas, Boeuf, Bayou Macon & Lower Ouachita)	2 to 6 ½ inches	Below normal extreme northwest sections to well above normal elsewhere
Lower Yazoo	1 ½ to 3 ½ inches	Slight below normal to normal
Big Black	3 ½ to 10 ½ inches	Well above normal
Pearl (abv Jackson)	5 ½ to 11 ½ inches	Well above normal
Pearl (Blo Jackson)	4 ½ to 8 inches	Well above normal
Pascagoula	5 ½ to 10 inches	Well above normal

The heaviest rainfall amounts in the HSA for the month were 11.53 inches at Goshen Springs, MS, 10.45 inches at Oakley Experimental Station in Hinds, County, MS, 10.42 at the City of Vicksburg and 10.00 inches at Hattiesburg.

Here at the WFO, the monthly rainfall was 4.52 inches, which was 0.97 inches above normal. Our total for the calendar year ending September 30th stands at 50.28 inches, which is 8.89 inches above normal.

The Mississippi River remained below seasonal norms during the month of September with the exception of Natchez which started the month off above the average and fell below during the month. The provisional high and low stages for September are listed below:

Location	High Stage(ft)	Date	Low Stage(ft)	Date
Arkansas City, AR	2.95	9/30	-0.35	9/25
Greenville, MS	14.34	9/02	11.24	9/25
Vicksburg, MS	8.06	9/05	3.75	9/27
Natchez, MS	16.18	9/04	10.58	9/27

Flood Warnings (FLW'S) issued: 6
Flood Statements (FLS'S) issued: 36
Daily Rainfall Reports (RRA'S) issued 30
Daily River Forecasts (RVS'S) issued 30
Daily River Stages (RVA'S) issued 30

Marty V. Pope
Service Hydrologist

cc: *USGS Little Rock District*
USGS Ruston District
USCE Mobile District
USCE Vicksburg District

USCE Mississippi Valley Division
USGS Jackson District
SRH Climate, Weather and Water Division
LMRFC
Pearl River Valley Water Supply District
Hydrologic Information Center
Southern Region Climate Center